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(54) AGENT FOR LOW FRICTION TREATMENT OF SEAT BELT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an agent for a low friction treatment of seat belts which agent gives a sufficiently high initial slidability to webbing fibers with coating a seat belt webbing with it, prevents the decrease of properties such as slidability, wear resistance and the like, with time, prevents the adhesion of dirt, and keeps its excellent storability even after a long time use.

SOLUTION: This agent comprises (A) a polyurethane resin and (B) a polyurethane resin composition containing spherical hydrophobic silica fine particles having an average particle size of the primary particles of 0.01-5 μ g which satisfy the conditions (i) when an organic compound which is liquid at room temperature and has a dielectric constant of 1-40 F/m and the silica particles are mixed and shaken at a mixing ratio of 5 to 1 in weight, the silica particles should be uniformly dispersed; (ii) after methanol is evaporated by heating from a dispersion of the silica particles in methanol and then the residue is kept at 100° C for 2 hr, at least 20% of the initial primary particles should remain still as primary particles.